

# UNICO Q9 basic

ceiling

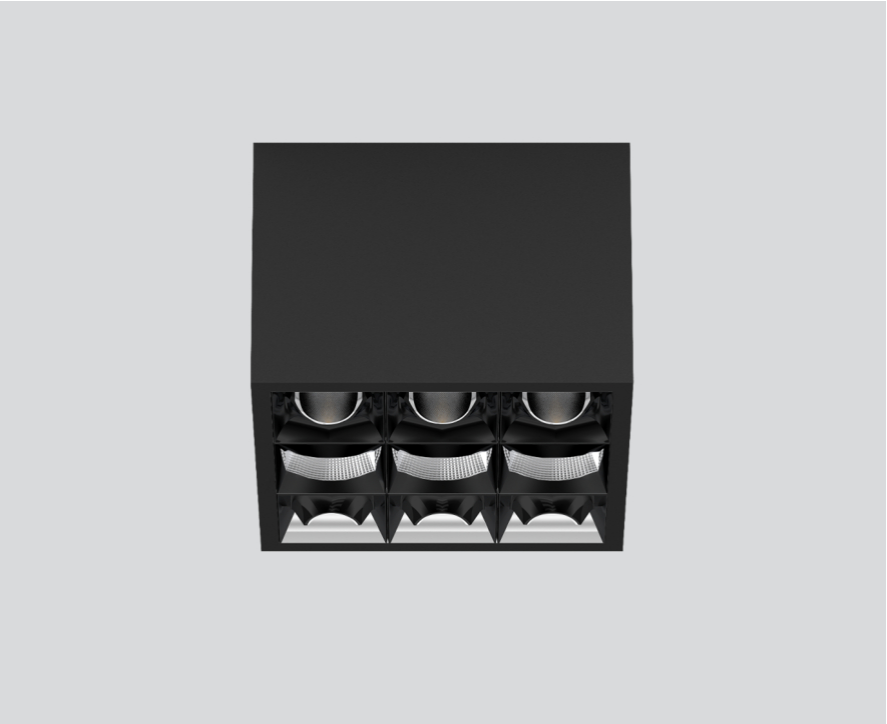
090-1Q9539BB01



Project / Type

Notes

Count / Date



### General

Ceiling , Surface

black , RAL 9005 <sup>1</sup>

Reflector black

IP20

3110 lm

### LED

3000 K

CRI ≥ 90

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

R<sub>g</sub>: 100 , R<sub>f</sub>: 92 , R<sub>f(1-5)</sub>: 91

MR 0.64

MDER 0.58

### Optical

wallwasher floor

PstLM ≤ 1.0 <sup>2</sup>

SVM ≤ 0.4 <sup>2</sup>

### Electrical

DALI-2

220-240 V

system 34 W

system 91 lm/W<sup>3</sup>

PC1

### Physical

length 126 mm

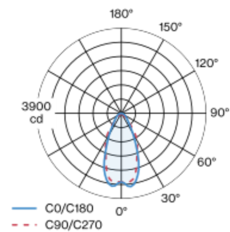
width 126 mm

height 90 mm

0.75 kg

Square surface mounted multi-downlight made of aluminium; luminaire housing can be attached to mounting plate without tools by interlock; converter integrated into luminaire housing; surface black powder coated; equipped with three wallwasher floor light elements 180° + three wallwasher floor light elements 0° + three rectangular medium light elements; precise radiation characteristic; high quality reflector with micro-faceted, aluminum-vaporised surface; Reflector black; passive cooling of the LEDs through improved heat sink geometry; light colour 3000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90; min. 90% of luminous flux after 50000 operating hours; energy-efficient high power LEDs with very good colour rendering; degree of protection IP20; PC1; 220-240 V; incl. DALI-2 converter; light source not replaceable; control gear replaceable by an authorized professional; clank-free;

### Light distribution



### Product drawing



<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)  
<sup>3</sup> incl. consideration of optical losses, internal control unit losses & operating device efficiency

### Installation instructions



### Lighting calculator



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## Maintenance Factors

| Operating Time [h] | 10 000 | 20 000 | 30 000 | 40 000 | 50 000 |
|--------------------|--------|--------|--------|--------|--------|
| LLMF               | 0.96   | 0.95   | 0.95   | 0.94   | 0.93   |
| LSF                | 1      | 1      | 1      | 1      | 1      |

MF

LMF × RSMF × LLMF × LSF

MF

Maintenance Factor

LMF<sup>a</sup>

Luminaire Maintenance Factor

RSMF<sup>a</sup>

Room Surface Maintenance Factor

LLMF

Lamp Lumens Maintenance Factor

LSF

Lamp Survival Faktor

<sup>a</sup> According to "CIE 97, Maintenance of indoor electric lighting systems", 2005, ISBN 3-900-734-34-8. The values must be determined by the planner.

## Circuit Breaker Types

| Automatic Circuit Breaker Type | Number of Fixtures |
|--------------------------------|--------------------|
| B10                            | 45                 |
| B13                            | 59                 |
| B16                            | 72                 |
| B20                            | 90                 |
| C10                            | 77                 |
| C13                            | 100                |
| C16                            | 122                |
| C20                            | 153                |

